

Comparisons of Job Characteristics

Focus Occupation: [Electrical Power-Line Installers and Repairers \(49-9051\)](#)

Associated Occupation: [Helpers--Electricians \(47-3013\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

| | |
|----|--|
| << | Focus occupation element is much lower |
| < | Focus occupation element is lower |
| 0 | Focus occupation element is at a similar level |
| > | Focus occupation element is at a higher level |
| >> | Focus occupation element is at a much higher level |

Knowledge

Similarity of Focus Occupation to Associated Occupation: 81

Focus Occupation: Electrical Power-Line Installers and Repairers (49-9051)

Associated Occupation: Helpers--Electricians (47-3013)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation |
|--|---------------------------------|--------------------------------|---------------------------|--|
| Building and Construction | 4.0 | 14.8 | 12.6 | < Expanded education and/or training may be required |
| Mechanical | 6.8 | 13.4 | 14.0 | 0 Current knowledge level may be sufficient |
| Design | 5.2 | 8.3 | 8.0 | 0 Current knowledge level may be sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 78

Focus Occupation: Electrical Power-Line Installers and Repairers (49-9051)

Associated Occupation: Helpers--Electricians (47-3013)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation |
|---|---------------------------------|--------------------------------|---------------------------|---|
| Equipment Maintenance | 3.5 | 8.0 | 7.9 | 0 Current skill level may be sufficient |
| Repairing | 3.4 | 7.6 | 9.6 | > Skill level is likely sufficient |
| Installation | 1.7 | 5.7 | 3.7 | << Extensive development of skills in this area may be required |
| Equipment Selection | 3.3 | 5.1 | 5.3 | 0 Current skill level may be sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Electrical Power-Line Installers and Repairers (49-9051)**Associated Occupation: Helpers--Electricians (47-3013)**

| Associated Occupation's Key Abilities Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | | Evaluation of Focus Occupation |
|--|---------------------------------|--------------------------------|---------------------------|----|--|
| Manual Dexterity | 6.5 | 13.0 | 10.8 | < | Some improvement in abilities may be required |
| Near Vision | 11.1 | 12.9 | 12.6 | 0 | Current ability level may be sufficient |
| Extent Flexibility | 4.8 | 12.2 | 9.5 | << | Extensive improvement in abilities may be required |
| Trunk Strength | 5.7 | 10.0 | 8.6 | < | Some improvement in abilities may be required |
| Visual Color Discrimination | 6.4 | 10.0 | 8.5 | < | Some improvement in abilities may be required |
| Gross Body Equilibrium | 3.2 | 9.2 | 8.4 | 0 | Current ability level may be sufficient |
| Gross Body Coordination | 3.9 | 8.0 | 7.9 | 0 | Current ability level may be sufficient |
| Dynamic Strength | 3.5 | 7.4 | 6.6 | < | Some improvement in abilities may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Electrical Power-Line Installers and Repairers (49-9051)**Associated Occupation: Helpers--Electricians (47-3013)**

| Work Activities | Exclusivity of Activity |
|---|-------------------------|
| Apply cleaning solvents | 41 |
| Climb ladders, scaffolding, or utility or telephone poles | 56 |
| Distinguish colors | 44 |
| Drive automobile, van, or light truck | 53 |
| Fabricate, assemble, or disassemble manufactured products by hand | 11 |
| Install electrical conduit or tubing | 81 |
| Install/string electrical or electronic cable or wiring | 76 |
| Move or fit heavy objects | 8 |
| Read blueprints | 10 |
| Read tape measure | 41 |
| Read technical drawings | 7 |
| Repair or replace electrical wiring, circuits, fixtures, or equipment | 49 |
| Solder electrical or electronic connections or components | 55 |
| Test electrical/electronic wiring, equipment, systems or fixtures | 54 |
| Use electrical or electronic test devices or equipment | 40 |
| Use hand or power tools | 2 |
| Use measuring devices in construction or extraction work | 41 |
| Use soldering equipment | 44 |
| Use voltmeter, ammeter, or ohmmeter | 52 |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 87

Focus Occupation: Electrical Power-Line Installers and Repairers (49-9051)
Associated Occupation: Helpers--Electricians (47-3013)

| Tools and Technologies | Exclusivity |
|--|-------------|
| Aerial lifts | 13 |
| Compressors | 9 |
| Computers | 1 |
| Content authoring and editing software | 1 |
| Cutting and crimping and punching tools | 3 |
| Earth moving machinery | 11 |
| Electrical cable and accessories | 47 |
| Electrical hardware and supplies | 47 |
| Electrical measuring and testing equipment | 7 |
| Face and head protection | 7 |
| Forming tools | 2 |
| Garden tools | 12 |
| Holding and clamping tools | 3 |
| Indicating and recording instruments | 2 |
| Ladders and scaffolding | 6 |
| Lifting equipment and accessories | 3 |
| Machine tools | 7 |
| Marking tools | 11 |
| Measuring and layout tools | 3 |
| Personal communication devices | 2 |
| Pneumatic tools | 8 |
| Power generators | 16 |
| Power tools | 2 |
| Product and material transport vehicles | 13 |
| Prying and bending tools | 10 |
| Pulling tools | 31 |
| Respiratory protection | 6 |
| Safety apparel | 4 |
| Soldering and brazing and welding machinery and supplies | 6 |
| Surveillance and detection equipment | 11 |
| Temperature and heat measuring instruments | 6 |
| Tool attachments and accessories | 12 |
| Wrenches and drivers | 2 |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.